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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/661,305	09/12/2003	Kiyoko Karusawa	17020	7850

23389 7590 09/07/2006

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EXAMINER

MILORD, MARCEAU

ART UNIT PAPER NUMBER

2618

DATE MAILED: 09/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b> 10/661,305	<b>Applicant(s)</b> KARUSAWA, KIYOKO	
	<b>Examiner</b> Marceau Milord	<b>Art Unit</b> 2618	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) ☒ Responsive to communication(s) filed on 12 September 2003.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) ☒ Claim(s) 1-27 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-27 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 12 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### Claim Rejections - 35 USC § 103

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 1-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Heinonen et al (US Patent No 6744753 B2) in view of Seazholtz et al (US Patent No 5790952).

Regarding claims 1-2, 4, 8, 10, Heinonen et al discloses a mobile phone apparatus (100 of fig. 1) comprising: local wireless communication means for realizing a short range wireless communication system (col. 3, lines 9-45; col. 7, lines 24-47); a memory (202 of fig. 1J) for registering the information on a plurality of local wireless communication devices adapted for communication in accordance with said short range wireless communication system (col. 7, line 39- col. 8, line 38; col. 9, line 45- col. 10, line 24; col. 13, lines 7-53); and means (140 of fig. 1 where the Bluetooth access point device invokes its link controller to enter the page state) for controlling said local wireless communication means to transmit a connection request to the local

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wireless communication device, registered in said memory, on the occasion of an incoming call (col. 17, line 14-col. 18, line 36; col. 16, lines 4-43).

However, Heinonen et al does not specifically disclose the features of pre-registering the information from among a plural local wireless communication devices, on the occasion of the incoming call, in accordance with a predetermined priority order; wherein a rank in said priority order is accorded to an awaiting state of said local wireless communication means and registered in said memory.

On the other hand, Seazholtz et al, from the same field of endeavor, discloses a cellular telephone system that is upgraded by modifying subscriber units for selective service provider acquisition during roaming. Priority of acquisition is given to those service providers associated with the home service provider. A roaming subscriber unit will tune to a single beacon frequency identifying cellular digital packet data frequencies from which the subscriber unit will select one CDPD frequency corresponding to a service provider operating in the geographic area to which the subscriber has roamed (col. 8, line 45- col. 9, line 22). Storage of a prioritizing SID list in subscriber station handsets allows each subscriber to have prioritization based upon his or her individual contractual arrangement with the service provider. Furthermore, the RSSI of the selected SID having the highest priority is compared to the RSSI of each of the received SIDs having a positive comparison with the pre-stored SID list in the subscriber station. If the selected SID has the highest RSSI of this group, the process moves to point A and the option of carrying out a sub-routine. In addition, the subscriber station includes a means for registering with the communication system responsive to the comparison with downloaded data and the pre-programmed data (col. 14, lines 24-66; col. 15, line 12- col. 16, line 38). Therefore, it would

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have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Seazholtz to the communication system of Heinonen in order to assign priority to cellular communications due to cost and reliability for the purpose of conserving battery power by remaining in a dormant or sleep protocol.

Regarding claims 3, 5, 7, 9, 11, Heinonen et al discloses a mobile phone apparatus (100 of fig. 1) comprising: local wireless communication means for realizing a short range wireless communication system: a memory (202 of fig. 1J) for registering the information on a plurality of local wireless communication devices adapted for communication in accordance with said short range wireless communication system (col. 3, lines 9-45; col. 7, lines 24-47); means for controlling said local wireless communication means to transmit a connection request to each of the totality of local wireless communication devices, registered in said memory, on the occasion of an incoming call (col. 7, line 39- col. 8, line 38; col. 9, line 45- col. 10, line 24; col. 13, lines 7-53); and means for determining a device for connection from among said local wireless communication devices (col. 17, line 14-col. 18, line 36; col. 16, lines 4-43)..

However, Heinonen et al does not specifically disclose the step of making a connection response to said connection request, in accordance with a preset priority order.

On the other hand, Seazholtz et al, from the same field of endeavor, discloses a cellular telephone system that is upgraded by modifying subscriber units for selective service provider acquisition during roaming. Priority of acquisition is given to those service providers associated with the home service provider. A roaming subscriber unit will tune to a single beacon frequency identifying cellular digital packet data frequencies from which the subscriber unit will select one CDPD frequency corresponding to a service provider operating in the geographic area to which

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the subscriber has roamed (col. 8, line 45- col. 9, line 22). Storage of a prioritizing SID list in subscriber station handsets allows each subscriber to have prioritization based upon his or her individual contractual arrangement with the service provider. Furthermore, the RSSI of the selected SID having the highest priority is compared to the RSSI of each of the received SIDs having a positive comparison with the pre-stored SID list in the subscriber station. If the selected SID has the highest RSSI of this group, the process moves to point A and the option of carrying out a sub-routine. In addition, the subscriber station includes a means for registering with the communication system responsive to the comparison with downloaded data and the pre-programmed data (col. 14, lines 24-66; col. 15, line 12- col. 16, line 38). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Seazholtz to the communication system of Heinonen in order to assign priority to cellular communications due to cost and reliability for the purpose of conserving battery power by remaining in a dormant or sleep protocol.

Regarding claim 12, Heinonen et al discloses a mobile phone apparatus (100 of fig. 1) comprising: local wireless communication means for realizing a short range wireless communication system (col. 3, lines 9-45; col. 7, lines 24-47); means for setting said local wireless communication means to an awaiting state on the occasion of an incoming call (col. 7, line 39- col. 8, line 38; col. 9, line 45- col. 10, line 24; col. 13, lines 7-53); and means for controlling said local wireless communication means to perform connection processing to the local wireless communication device, on receipt of a connection request which said local wireless communication device issues (col. 17, line 14- col. 18, line 36; col. 16, lines 4-43).

However, Heinonen et al does not specifically disclose the time period of function in which the local wireless communication is being in awaiting state.

On the other hand, Seazholtz et al, from the same field of endeavor, discloses a cellular telephone system that is upgraded by modifying subscriber units for selective service provider acquisition during roaming. Priority of acquisition is given to those service providers associated with the home service provider. A roaming subscriber unit will tune to a single beacon frequency identifying cellular digital packet data frequencies from which the subscriber unit will select one CDPD frequency corresponding to a service provider operating in the geographic area to which the subscriber has roamed (col. 8, line 45- col. 9, line 22). Storage of a prioritizing SID list in subscriber station handsets allows each subscriber to have prioritization based upon his or her individual contractual arrangement with the service provider. Furthermore, the RSSI of the selected SID having the highest priority is compared to the RSSI of each of the received SIDs having a positive comparison with the pre-stored SID list in the subscriber station. If the selected SID has the highest RSSI of this group, the process moves to point A and the option of carrying out a sub-routine. In addition, the subscriber station includes a means for registering with the communication system responsive to the comparison with downloaded data and the pre-programmed data (col. 14, lines 24-66; col. 15, line 12- col. 16, line 38). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Seazholtz to the communication system of Heinonen in order to assign priority to cellular communications due to cost and reliability for the purpose of conserving battery power by remaining in a dormant or sleep protocol.

Regarding claims 13-14, 16, 18, 20, 22, Heinonen et al discloses a method of performing local wireless communication by a mobile phone apparatus including a function of local wireless communication for realizing a short range wireless communication system, said method comprising the steps of: detecting an incoming call to said mobile phone apparatus (col. 3, lines 9-45; col. 7, lines 24-47); and transmitting, on the occasion of said incoming call, a connection request, using said function of local wireless communication (col. 7, line 39- col. 8, line 38; col. 9, line 45- col. 10, line 24; col. 13, lines 7-53) .

However, Heinonen et al does not specifically disclose the features of pre-registering the information of a local wireless communication devices with which a mobile phone apparatus communicates in accordance with a short range wireless communication system, determining a local wireless communication device for connection, from among plural local wireless communication devices registered in said memory, on the occasion of said incoming call, in accordance with a pre-set priority order.

On the other hand, Seazholtz et al, from the same field of endeavor, discloses a cellular telephone system that is upgraded by modifying subscriber units for selective service provider acquisition during roaming. Priority of acquisition is given to those service providers associated with the home service provider. A roaming subscriber unit will tune to a single beacon frequency identifying cellular digital packet data frequencies from which the subscriber unit will select one CDPD frequency corresponding to a service provider operating in the geographic area to which the subscriber has roamed (col. 8, line 45- col. 9, line 22). Storage of a prioritizing SID list in subscriber station handsets allows each subscriber to have prioritization based upon his or her individual contractual arrangement with the service provider. Furthermore, the RSSI of the



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selected SID having the highest priority is compared to the RSSI of each of the received SIDs having a positive comparison with the pre-stored SID list in the subscriber station. If the selected SID has the highest RSSI of this group, the process moves to point A and the option of carrying out a sub-routine. In addition, the subscriber station includes a means for registering with the communication system responsive to the comparison with downloaded data and the pre-programmed data (col. 14, lines 24-66; col. 15, line 12- col. 16, line 38). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Seazholtz to the communication system of Heinonen in order to assign priority to cellular communications due to cost and reliability for the purpose of conserving battery power by remaining in a dormant or sleep protocol.

Regarding claims 15, 17, 19, 21, 23, Heinonen et al discloses a method of performing local wireless communication by a mobile phone apparatus (100 of fig. 1) including a function of local wireless communication for realizing a short range wireless communication system, said method comprising the steps of: detecting an incoming call to the mobile phone apparatus (col. 3, lines 9-45; col. 7, lines 24-47); and transmitting, on the occasion of the incoming call, a connection request to each of plural local wireless communication devices registered in a memory (202 of fig. 1J) for registering the information of said local wireless communication devices (col. 7, line 39- col. 8, line 38; col. 9, line 45- col. 10, line 24; col. 13, lines 7-53); with which said mobile phone apparatus communicating in accordance with said short range wireless communication system; and determining a local wireless communication device for connection from among plural local wireless communication devices (col. 17, line 14-col. 18, line 36; col. 16, lines 4-43).

However, Heinonen et al does not specifically disclose the steps of making a connection response to said connection request, in accordance with a pre-set priority order; wherein a rank in said priority order is accorded to said awaiting state of said local wireless communication function and registered in said memory.

On the other hand, Seazholtz et al, from the same field of endeavor, discloses a cellular telephone system that is upgraded by modifying subscriber units for selective service provider acquisition during roaming. Priority of acquisition is given to those service providers associated with the home service provider. A roaming subscriber unit will tune to a single beacon frequency identifying cellular digital packet data frequencies from which the subscriber unit will select one CDPD frequency corresponding to a service provider operating in the geographic area to which the subscriber has roamed (col. 8, line 45- col. 9, line 22). Storage of a prioritizing SID list in subscriber station handsets allows each subscriber to have prioritization based upon his or her individual contractual arrangement with the service provider. Furthermore, the RSSI of the selected SID having the highest priority is compared to the RSSI of each of the received SIDs having a positive comparison with the pre-stored SID list in the subscriber station. If the selected SID has the highest RSSI of this group, the process moves to point A and the option of carrying out a sub-routine. In addition, the subscriber station includes a means for registering with the communication system responsive to the comparison with downloaded data and the pre-programmed data (col. 14, lines 24-66; col. 15, line 12- col. 16, line 38). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Seazholtz to the communication system of Heinonen in order to assign priority

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to cellular communications due to cost and reliability for the purpose of conserving battery power by remaining in a dormant or sleep protocol.

Regarding claim 24, Heinonen et al discloses a method of performing local wireless communication by a mobile phone apparatus (100 of fig. 1) including a function of local wireless communication for realizing a short range wireless communication system, said method comprising the steps of: detecting an incoming call to said mobile phone apparatus (col. 3, lines 9-45; col. 7, lines 24-47); setting said function of local wireless communication to an awaiting state on the occasion of said incoming call; and performing connection processing to the local wireless communication device (col. 7, line 39- col. 8, line 38; col. 9, line 45- col. 10, line 24; col. 13, lines 7-53); using said function of local wireless communication, on receipt of a connection request which the local wireless communication device issues (col. 17, line 14-col. 18, line 36; col. 16, lines 4-43).

However, Heinonen et al does not specifically disclose the features of the time period of a local wireless communication is being in awaiting state.

On the other hand, Seazholtz et al, from the same field of endeavor, discloses a cellular telephone system that is upgraded by modifying subscriber units for selective service provider acquisition during roaming. Priority of acquisition is given to those service providers associated with the home service provider. A roaming subscriber unit will tune to a single beacon frequency identifying cellular digital packet data frequencies from which the subscriber unit will select one CDPD frequency corresponding to a service provider operating in the geographic area to which the subscriber has roamed (col. 8, line 45- col. 9, line 22). Storage of a prioritizing SID list in subscriber station handsets allows each subscriber to have prioritization based upon his or her

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individual contractual arrangement with the service provider. Furthermore, the RSSI of the selected SID having the highest priority is compared to the RSSI of each of the received SIDs having a positive comparison with the pre-stored SID list in the subscriber station. If the selected SID has the highest RSSI of this group, the process moves to point A and the option of carrying out a sub-routine. In addition, the subscriber station includes a means for registering with the communication system responsive to the comparison with downloaded data and the pre-programmed data (col. 14, lines 24-66; col. 15, line 12- col. 16, line 38). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Seazholtz to the communication system of Heinonen in order to assign priority to cellular communications due to cost and reliability for the purpose of conserving battery power by remaining in a dormant or sleep protocol.

Regarding claim 25, Heinonen et al discloses a computer program embodied on a computer readable medium for enabling a computer constituting a mobile phone apparatus (100 of fig. 1) including a function of local wireless communication for realizing a short range wireless communication system to execute a local wireless communication processing, said computer program comprising code segments to enable the computer to execute the steps of: detecting an incoming call to the mobile phone apparatus; and transmitting, on the occasion of said incoming call, using said function of local wireless communication, a connection request to one of plural local wireless communication devices registered in a memory (202 of fig. 1J; col. 17, line 14-col. 18, line 36; col. 16, lines 4-43).

However, Heinonen et al does not specifically disclose the steps of pre-registering the information of local wireless communication devices, with which the mobile phone apparatus communicates in accordance with said short-range wireless.

On the other hand, Seazholtz et al, from the same field of endeavor, discloses a cellular telephone system that is upgraded by modifying subscriber units for selective service provider acquisition during roaming. Priority of acquisition is given to those service providers associated with the home service provider. A roaming subscriber unit will tune to a single beacon frequency identifying cellular digital packet data frequencies from which the subscriber unit will select one CDPD frequency corresponding to a service provider operating in the geographic area to which the subscriber has roamed (col. 8, line 45- col. 9, line 22). Storage of a prioritizing SID list in subscriber station handsets allows each subscriber to have prioritization based upon his or her individual contractual arrangement with the service provider. Furthermore, the RSSI of the selected SID having the highest priority is compared to the RSSI of each of the received SIDs having a positive comparison with the pre-stored SID list in the subscriber station. If the selected SID has the highest RSSI of this group, the process moves to point A and the option of carrying out a sub-routine. In addition, the subscriber station includes a means for registering with the communication system responsive to the comparison with downloaded data and the pre-programmed data (col. 14, lines 24-66; col. 15, line 12- col. 16, line 38). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Seazholtz to the communication system of Heinonen in order to assign priority to cellular communications due to cost and reliability for the purpose of conserving battery power by remaining in a dormant or sleep protocol.

Regarding claim 26, Heinonen et al discloses a computer program embodied on a computer readable medium for enabling a computer constituting a mobile phone apparatus (100 of fig. 1) including a function of local wireless communication for realizing a short range wireless communication system to execute a local wireless communication processing, said computer program comprising code segments to enable the computer to execute the steps of: detecting an incoming call to the mobile phone apparatus (col. 3, lines 9-45; col. 7, lines 24-47); transmitting a connection request to each of plural local wireless communication devices registered in a memory (202 of fig. 1J) for pre-registering the information of said local wireless communication devices, with which said mobile phone communicates in accordance with said short range wireless communication system on call oncoming; and determining a local wireless communication device for connection from among the plural local wireless communication devices (col. 17, line 14-col. 18, line 36; col. 16, lines 4-43).

However, Heinonen et al does not specifically disclose of making a connection response to a connection request, in accordance with a pre-set priority order.

On the other hand, Seazholtz et al, from the same field of endeavor, discloses a cellular telephone system that is upgraded by modifying subscriber units for selective service provider acquisition during roaming. Priority of acquisition is given to those service providers associated with the home service provider. A roaming subscriber unit will tune to a single beacon frequency identifying cellular digital packet data frequencies from which the subscriber unit will select one CDPD frequency corresponding to a service provider operating in the geographic area to which the subscriber has roamed (col. 8, line 45- col. 9, line 22). Storage of a prioritizing SID list in subscriber station handsets allows each subscriber to have prioritization based upon his or her

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individual contractual arrangement with the service provider. Furthermore, the RSSI of the selected SID having the highest priority is compared to the RSSI of each of the received SIDs having a positive comparison with the pre-stored SID list in the subscriber station. If the selected SID has the highest RSSI of this group, the process moves to point A and the option of carrying out a sub-routine. In addition, the subscriber station includes a means for registering with the communication system responsive to the comparison with downloaded data and the pre-programmed data (col. 14, lines 24-66; col. 15, line 12- col. 16, line 38). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Seazholtz to the communication system of Heinonen in order to assign priority to cellular communications due to cost and reliability for the purpose of conserving battery power by remaining in a dormant or sleep protocol.

Regarding claim 27, Heinonen et al discloses a computer program embodied on a computer readable medium for enabling a computer constituting a mobile phone apparatus (100 of fig. 1) including a function of local wireless communication for realizing a short range wireless communication system to execute a local wireless communication processing, said computer program comprising code segments to enable the computer to execute the steps of: detecting an incoming call to said mobile phone (col. 3, lines 9-45; col. 7, lines 24-47); setting said function of local wireless communication to a waiting state on the occasion of said incoming call; and performing connection processing to the local wireless communication device (col. 7, line 39- col. 8, line 38; col. 9, line 45- col. 10, line 24; col. 13, lines 7-53); using said function of local wireless communication, on receipt of a connection request which the local wireless communication device issues ( col. 17, line 14-col. 18, line 36; col. 16, lines 4-43).

However, Heinonen et al does not specifically disclose the exact time period of a local wireless communication is being in waiting state.

On the other hand, Seazholtz et al, from the same field of endeavor, discloses a cellular telephone system that is upgraded by modifying subscriber units for selective service provider acquisition during roaming. Priority of acquisition is given to those service providers associated with the home service provider. A roaming subscriber unit will tune to a single beacon frequency identifying cellular digital packet data frequencies from which the subscriber unit will select one CDPD frequency corresponding to a service provider operating in the geographic area to which the subscriber has roamed (col. 8, line 45- col. 9, line 22). Storage of a prioritizing SID list in subscriber station handsets allows each subscriber to have prioritization based upon his or her individual contractual arrangement with the service provider. Furthermore, the RSSI of the selected SID having the highest priority is compared to the RSSI of each of the received SIDs having a positive comparison with the pre-stored SID list in the subscriber station. If the selected SID has the highest RSSI of this group, the process moves to point A and the option of carrying out a sub-routine. In addition, the subscriber station includes a means for registering with the communication system responsive to the comparison with downloaded data and the pre-programmed data (col. 14, lines 24-66; col. 15, line 12- col. 16, line 38). Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to apply the technique of Seazholtz to the communication system of Heinonen in order to assign priority to cellular communications due to cost and reliability for the purpose of conserving battery power by remaining in a dormant or sleep protocol.



***Conclusion***

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.


Famolari discloses a method and apparatus for setting the value of a selected IP parameter in each of a plurality of network computing devices using the IP protocol.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marceau Milord whose telephone number is 571-272-7853. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on 571-272-4177. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

MARCEAU MILORD

  
**MARCEAU MILORD**  
**PRIMARY EXAMINER**

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